

CLAIMS

1. A synthetic resin weld body, comprising:

a first member made of synthetic resin which forms a plurality of first passage parts including a plurality of bores; and

a second member made of synthetic resin which forms a plurality of second passage parts;

wherein the connecting face of said first member with said second member includes top end connecting faces respectively formed around said plurality of bores, mount connecting faces respectively rising from said top end connecting faces, and rising boundary lines which are the boundary between respective top end connecting faces and respective mount connecting faces;

wherein a plurality of passages is formed by connecting said first passage parts and said second passage parts, having said first member and said second member connected and vibration-welded in the standard direction for vibration;

wherein the passage direction near said bore of at least one passage out of said plurality of passages differs from the orthogonal direction against the direction in which said plurality of bores is lined;

wherein the edge at the passage side of said rising boundary line of at least one passage which is disposed in the direction which differs from the orthogonal direction against the direction in which said plurality of bores is lined is disposed at

or in the vicinity of a contact point of a tangent line of the ridge line of said mount connecting face at the passage side with the inner edge of said top end connecting face at the bore side; and

wherein said rising boundary line including the edge at the passage side is parallel to the standard direction for vibration.

2. The synthetic resin weld body according to claim 1, wherein said vicinity having the axis of said bore as its center is the position where the inner edge of said bore is intersected with the line which angle θ against the orthogonal direction line passing through the axis center of said bore and the contact point of said tangent line is equal to or less than 10 degrees each to the left and the right.

3. A synthetic resin weld body, comprising:

a first member made of synthetic resin which forms one bore and one passage part leading to said bore; and

a second member made of synthetic resin which forms one passage part;

wherein the connecting face of said first member with said second member includes a top end connecting face formed around said bore, a mount connecting face rising from said top end connecting face, and a rising boundary line which is the boundary between said top end connecting face and said mount connecting face;

wherein one passage is formed by connecting said first passage part and said second passage part, having said first

member and said second member connected and vibration-welded in the standard direction for vibration;

wherein the passage direction near said bore of said passage differs from the orthogonal direction against the standard direction for vibration;

wherein the edge at the passage side of said rising boundary line is disposed at or in the vicinity of a contact point of a tangent line of the ridge line of said mount connecting face at the passage side with the inner edge of said top end connecting face at the bore side; and

wherein said rising boundary line including the edge at the passage side is parallel to the standard direction for vibration.

4. The synthetic resin weld body according to claim 3, wherein said vicinity having the axis of said bore as its center is the position where the inner edge of said bore is intersected with the line which angle θ against the orthogonal direction line passing through the axis center of said bore and the contact point of said tangent line is equal to or less than 10 degrees each to the left and the right.